EXHIBIT 1

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 1

Claim 1 of '686 Patent	Infringed: Literally and DOE
A monitoring device for monitoring a target, comprising:	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html
a microcontroller programmed for operating said monitoring device, said microcontroller having no port that allows access for reading programing of said microcontroller;	See Product Datasheet SG 100. Smith needs further information from GE to make a definitive determination on this element. Based on the information available, it appears that GE's controller does not have a port that allows access for reading its programming.
a wireless transceiver operable for communicating with a wireless network;	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)"** **http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/**
a modem for interfacing with said wireless transceiver for communicating over said wireless network;	**See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at**

	http://www.geassetintelligenceeu.com/technology/
a global positioning sensor;	"Knowing where your assets are is important - in fact vital - to effectively managing your fleet. Adding a tracking solution to your fleet is the best way to arm yourself with the knowledge you need on a daily basis to keep your fleet fully utilized and profitable." See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**." http://www.trailer-services.com/veriwise/how.html
an interface between said monitoring device and said target for communicating signals relating to said target;	**See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200** **SGE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/
one or more inputs to said monitoring device from said target;	**See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200** **SGE describes its product as follows: "Over the air software upgradeable and configurable**"

	http://www.geassetintelligenceeu.com/new-product-launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/
and one or more outputs from said monitoring device to said target, said one or more inputs and said one or more outputs being individually selectable from a plurality of inputs to said target and a plurality of outputs from said monitoring device during installation of said monitoring device to said target such that each of said one or more inputs and each of said one or more outputs are identified as to their nature and stored in a database for each of a plurality of monitoring devices.	The GE VeriWise product includes a GE server as shown on GE's website. http://www.geassetintelligenceeu.com/technology/. The GE server may be accessed by the End User/GE customer via the GE Web Interface. This web interface allows the End User to access the monitored information. In order to enable the End User to access the monitored information, definition data must be entered into the database to define the variables being monitored and the targets being monitored for a particular customer. **See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200**

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CLAIM 2

Claim 2 of '686 Patent	Infringed: Literally and DOE
The monitoring device of claim 1, wherein said target is a vehicle and said interface communicates electrical signals relating to one or more elements of said vehicle.	"GE VeriWise™ is the "control centre" for your mobile asset. Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/ See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 3

Claim 3 of '686 Patent	Infringed: Literally and DOE
A method for monitoring a plurality of targets, said plurality of targets having at least first and second variables to be monitored and having at least first and second items to be controlled, said first and second variables being selectively different for different of said plurality of targets, said first and second items to be controlled being selectively different for different of said plurality of targets, said method comprising:	"VeriWise TRUCKING not only gives you precise location information on your trailers – more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/ equipmentservices/assetintelligence/ solutions/segments/ trucking/index.html An example list of variables that can be monitored such as battery status, cargo, doors, locks, truck ID, brakes, etc .may be found on GE's website. See, e.g., http://www.geassetintelligenceeu.com/ cold-chain/cold-chain-details/ Other variables that may be monitored are Lights, A/EBS, Reefer DC/DC and associated ports or cables as shown in Product Datasheet SG 100. "GE VeriWise™ allows you to maintain control of your assets and freight, and make timely, well-informed decisions that can boost profits, improve business performance and set a new standard in your customer service. " http://www.geassetintelligenceeu.com/ Examples of items to be controlled are below. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. "

	http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/ news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release "Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/
attaching a transceiver with an antenna to each of said plurality of targets;	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new

	GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/**
providing a configurable electrical interface with a plurality of ports for each of said plurality of targets for interfacing between said transceiver and said first and second variables to be monitored and said first and second items to be controlled;	**See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200S** **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/
entering definition data into a database to define said first and second variables whereby said definition data selectively varies between said plurality of targets, said definition data comprises a configuration of said plurality of ports which are selectively electrically connected with respect to said first and second variables to be monitored and said first and second items to be controlled, said definition for said configuration of said plurality of ports being selectively variable between said plurality of targets;	The GE VeriWise product includes a GE server as shown on GE's website. http://www.geassetintelligenceeu.com/technology/. The GE server may be accessed by the End User/GE customer via the GE Web Interface. This web interface allows the End User to access the monitored information. In order to enable the End User to access the monitored information, definition data must be entered into the database to define the variables being monitored and the targets being monitored for a particular customer. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed

	their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749
receiving data through a wireless network from said transceiver, interpreting said received data based on said definition data in said database;	**See Diagram at http://www.geassetintelligenceeu.com/technology/**
connecting to said database through an Internet connection with a personal computer to receive said interpreted data;	**End User GE Web Interface http://www.geassetintelligenceeu.com/technology/** "Information can be delivered through our user interface &/or by server based data transfer" http://www.geassetintelligenceeu.com/why-veriwise/ ?tx_ncleadme_pi1%5BqUid%5D=5&cHash=a75acf8908
and sending control information from said personal computer through said Internet connection for transmission through said wireless network for selectively operating said first and second items to be controlled.	"Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed

	their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release "Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 4

Claim 4 of '686 Patent	Infringed: Literally and DOE
The method of claim 3, further comprising:	
entering definition data into a database to define said first and second items to be controlled whereby said definition data varies between said plurality of targets.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 5

Claim 5 of '686 Patent	Infringed: Literally and DOE
The method of claim 4, further comprising:	
transmitting a message from a pager network to said transceiver,	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html
receiving said message through said modem, and	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html
and executing a command responsive to said message	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration.

wherein:	http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release
said control information is interpreted by said definition data in said database prior to wireless transmission.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 6

Claim 6 of '686 Patent	Infringed: Literally and DOE
The method of claim 4, wherein:	
said definition data includes the meaning of said first and second items to be controlled, which meaning selectively varies between said plurality of targets.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 7

Claim 7 of '686 Patent	Infringed: Literally and DOE
The method of claim 4 wherein:	
said plurality of targets comprise a plurality of vehicles and said first and second variables comprise variables related to vehicles which are selectively different for said plurality of vehicles	"With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-launch/

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PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 8

Claim 8 of '686 Patent	Not Asserted
The method of claim 7, further comprising:	This claim is not presently asserted against GE. Based on the information available to Plaintiff Smith, it does not appear that GE's products provide this functionality; however, if evidence is discovered that shows that GE does provide this feature, Smith reserves the right to assert this claim.
remotely operating said module for enforcing a loan related to said vehicle.	

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 9

Claim 9 of '686 Patent	Infringed: Literally and DOE
The method of claim 7,	
further comprising: remotely operating said module for determining that said vehicle stays within a selectable region.	By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749

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INVENTOR: JOSEPH D. SMITH

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 10

Claim 10 of '686 Patent	Infringed: Literally and DOE
The method of claim 3, further comprising:	
determining a global position,	"**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**. " http://www.trailer-services.com/veriwise/ how.html
encoding a message to a modem to form a global position message based on said global position, and	**"GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**. " http://www.trailer-services.com/ veriwise/ how.html
transmitting said global position message through said transceiver	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/**

using said antenna.	**technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/ technology/**

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INVENTOR: JOSEPH D. SMITH

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 11

Claim 11 of '686 Patent	Infringed: Literally and DOE
The method of claim 10, further comprising:	
receiving said global position message through a wireless network, and	"**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**. " http://www.trailer-services.com/veriwise/how.html
saving said global position message in said database.	"**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**. " http://www.trailer-services.com/veriwise/how.html

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 12

Claim 12 of '686 Patent	Infringed: Literally and DOE
The method of claim 3, further comprising:	
providing for remote access to said database through said Internet connection by each of a plurality of different subscribers, each said subscriber being able to communicate only with targets for which each respective subscriber is authorized but not for other of said plurality of targets.	**End User GE Web Interface http://www.geassetintelligenceeu.com/technology/** "Information can be delivered through our user interface &/or by server based data transfer" http://www.geassetintelligenceeu.com/why-veriwise/ ?tx_ncleadme_pi1%5BqUid%5D=5&cHash=a75acf8908 See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/ trucking/index.html

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PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 13

Claim 13 of '686 Patent	Infringed: Literally and DOE
The method of claim 12, wherein:	
said definition data includes the meaning of said first and second variables, which meaning selectively varies between said plurality of targets.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 14

Claim 14 of '686 Patent	Not Asserted
The method of claim 3, wherein:	
said target is a structure affixed to the Earth so as to be non-movable.	This claim is not presently asserted against GE. Based on the information available to Plaintiff Smith, it does not appear that GE's products provide this functionality; however, if evidence is discovered that shows that GE does provide this feature, Smith reserves the right to assert this claim.

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INVENTOR: JOSEPH D. SMITH

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 15

Claim 15 of '686 Patent	
A monitoring system for monitoring a plurality of targets on behalf of a plurality of clients, each of said clients being associated with one or more of said plurality of targets, comprising:	"GE VeriWise™ is the "control centre" for your mobile asset. Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/ "Knowing where your assets are is important - in fact vital - to effectively managing your fleet. Adding a tracking solution to your fleet is the best way to arm yourself with the knowledge you need on a daily basis to keep your fleet fully utilized and profitable." See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**." http://www.trailer-services.com/veriwise/how.html
a computer network server operable for communicating with a plurality of client computers through an Internet connection;	The schematic diagram under the section "How it works" shows a GE server in connection with client computers through the Internet. "Using a remote monitoring device, satellite-based telecommunications, a series of sensors and established business rules, GE's VeriWise TRAILER technology gathers and provides information on the location of the fleet and the status of the cargo inside each trailer." See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "The VeriWise solution uses the most advanced and ubiquitous digital wireless network in North America, intelligently selecting from CDMA, 1XRTT, analog and wireless networks."

	http://www.ge.com/equipmentservices/ assetintelligence/resources/ datasheets/downloads/VeriwiseC_CellFlatbed.pdf
a database operable for storing information relating to each of said plurality of targets;	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html
a wireless network system, said computer network server being in communication with said wireless network system; and	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "The VeriWise solution uses the most advanced and ubiquitous digital wireless network in North America, intelligently selecting from CDMA, 1XRTT, analog and wireless networks." http://www.ge.com/equipmentservices/ assetintelligence/resources/ datasheets/downloads/VeriwiseC_CellFlatbed.pdf
a plurality of wireless communication units for said plurality of targets, each of said plurality of wireless communication units being operable for communication with said wireless network, each of said plurality of wireless communication units including a global position sensor to provide location information for each of said plurality of targets, said computer network server permitting each of said plurality of client computers to selectively communicate only with said one or more of said plurality of targets with which said client is associated such that each of said plurality of	**GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets See diagram at http://www.geassetintelligenceeu.com/technology/** "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined

client computers is operable for sending a message to request said location information relating to said one or more of said plurality of targets with which said client is associated.	distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html **"GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise™ **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise™ device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be sent directly to your computer system via **XML data exchange."** http://www.trailer-services.com/veriwise/how.html

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 16

Claim 16 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, wherein:	
each of said targets has one or more electrically controllable elements controllable by said respective client computers through said computer network server and said wireless network.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. "http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the

	company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop."

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

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CLAIM 17

Claim 17 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 16, further comprising:	
said plurality of client computers being operable for producing a map showing thereon a geographic picture of one or more of said plurality of targets.	See http://www.ge.com/equipmentservices/ assetintelligence/resources/datasheets/downloads/ VeriwiseC_CellFlatbed.pdf "Features" "Web-based Interface" "Current/Historical Maps" "Email/Pager Alerts" "Customizable Reports"

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 18

Claim 18 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 16, wherein:	
said plurality of said targets comprise a plurality of automobiles wherein each automobile has one or more variables for monitoring by a respective of said client computers and one or more electrically controllable elements to be controlled by said respective of said client computers.	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/ assetintelligence/solutions/segments/ trucking/index.html An example list of variables that can be monitored such as battery status, cargo, doors, locks, truck ID, brakes, etc .may be found on GE's website. See, e.g., http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Other variables that may be monitored are Lights, A/EBS, Reefer DC/DC and associated ports or cables as shown in Product Datasheet SG 100. "GE VeriWise™ allows you to maintain control of your assets and freight, and make timely, well-informed decisions that can boost profits, improve business performance and set a new standard in your customer service. " http://www.geassetintelligenceeu.com/ Examples of items to be controlled are below. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/

	Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release "Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 19

Claim 19 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 18, further comprising:	
said database being operable for storing information for each of said plurality of targets that includes definitions of inputs and outputs related to said one or more variables and said one or more electrically controllable elements for a respective interface between each of said plurality of vehicles for each corresponding wireless communication unit, said definitions of said inputs and outputs being selectively variable from vehicle to vehicle.	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/ solutions/segments/ trucking/index.html An example list of variables that can be monitored such as battery status, cargo, doors, locks, truck ID, brakes, etc .may be found on GE's website. See, e.g., http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Other variables that may be monitored are Lights, A/EBS, Reefer DC/DC and associated ports or cables as shown in Product Datasheet SG 100. "GE VeriWise™ allows you to maintain control of your assets and freight, and make timely, well-informed decisions that can boost profits, improve business performance and set a new standard in your customer service. " http://www.geassetintelligenceeu.com/ Examples of items to be controlled are below. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/

	Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release "Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/ The GE VeriWise product includes a GE server as shown on GE's website. http://www.geassetintelligenceeu.com/technology/. The GE server may be accessed by the End User/GE customer via the GE Web Interface. This web interface allows the End User to access the monitored information. In order to enable the End User to access the monitored information, definition data must be entered into the database to define the variables being monitored and the targets being monitored for a particular customer.

	"Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 20

Claim 20 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, wherein:	
said database comprising a list of ingoing and outgoing messages.	See http://www.ge.com/equipmentservices/assetintelligence/resources/datasheets/downloads/VeriwiseC_CellFlatbed.pdf

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 21

Claim 21 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, further comprising:	
said plurality of wireless communication units including a modem for encoding said location information.	**GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/ technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/ new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/ technology/** "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined

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CLAIM 22

Claim 22 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, further comprising:	
at least a portion of said plurality of targets being a plurality of transport vessels, a wireless network system for communicating with said plurality of transport vessels, and said database being operable for storing vessel location information.	"VeriWise MARINE does more than give you location information on your container assets – it helps you reduce downtime, monitor and manage the environment in and around your containers, and increase the availability and reliability of your entire marine container fleet. On-demand data generated by real-time tracking and monitoring applications provide end-to-end visibility on your reefer containers and their cargo, helping you optimize marine transportation for your organization." http://www.ge.com/ equipmentservices/ assetintelligence/solutions/ segments/marine/index.html

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 23

Claim 23 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, further comprising:	
a two-way pager operable for contacting one or more of said plurality of wireless communication units through said wireless network.	http://www.geassetintelligenceeu.com/technology/ See depiction of "Alarm SMS"

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PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 24

Claim 24 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 15, further comprising:	
a microcontroller for operating said wireless communication unit, said microcontroller having a memory for programming said microcontroller for operating said wireless unit, said microcontroller comprising a computer and said memory within a single integrated circuit.	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)"** **http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/** In order to more fully address this element, Plaintiff Smith will need to see the circuit designs for GE's microcontrollers

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PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 25

Claim 25 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 24, wherein said microcontroller has no port that allows access for reading programming of said memory.	See Product Datasheet SG 100. Smith needs further information from GE to make a definitive determination on this element. Based on the information available, it appears that GE's controller does not have a port that allows access for reading its programming.

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CLAIM 26

Claim 26 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 24, further comprising:	
said plurality of client computers are each operable for communicating with said computer network server relating to said electrical signals for said one or more of said plurality of targets with which said client is associated.	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 27

Claim 27 of '686 Patent	Not Asserted
The monitoring system of claim 26, further comprising:	This claim is not presently asserted against GE. Based on the information available to Plaintiff Smith, it does not appear that GE's products provide this functionality; however, if evidence is discovered that shows that GE does provide this feature, Smith reserves the right to assert this claim
at least a portion of said plurality of targets are vehicles,	
each vehicle having an electrical system connected to said target interface,	
said plurality of client computers being operable for sending an electrical signal to said electrical system of said vehicle through said target interface for said one or more of said plurality of targets with which said client is associated.	

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 28

Claim 28 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 26, further comprising:	
at least a portion of said plurality of targets are vehicles,	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/ assetintelligence/ solutions/segments/trucking/ index.html
each vehicle having an electrical system connected to said target interface,	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)"** **http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/ new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets**
said plurality of client computers being operable for detecting an electrical signal from said vehicle through said target interface, said wireless network system, and said computer network server in accordance with a description for each said target interface stored within	**See diagram at http://www.geassetintelligenceeu.com/technology** **See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200S** **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-

said database.	launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 29

Claim 29 of '686 Patent	Infringed: Literally and DOE
A monitoring system operable for monitoring a plurality of targets on behalf of a plurality of users, each of said users being associated with one or more of said plurality of targets, comprising:	"GE VeriWise™ is the "control centre" for your mobile asset. Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/ "Knowing where your assets are is important - in fact vital - to effectively managing your fleet. Adding a tracking solution to your fleet is the best way to arm yourself with the knowledge you need on a daily basis to keep your fleet fully utilized and profitable." See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html "**GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise® **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise® device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be send directly to your computer system via **XML data exchange**." http://www.trailer-services.com/veriwise/how.html
a computer network server operable for communicating with a plurality of client computers;	The schematic diagram under the section "How it works" shows a GE server in connection with client computers through the Internet. "Using a remote monitoring device, satellite-based telecommunications, a series of sensors and established business rules, GE's VeriWise TRAILER technology gathers and provides information on the location of the fleet and the status of the cargo inside

	each trailer." See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html
a database operable for storing information relating to each of said plurality of targets;	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html
a plurality of wireless communication units, a respective of said plurality of wireless communication units associated with said plurality of targets, each of said plurality of wireless communication units including a position sensor to provide location information for each of said plurality of targets;	**GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/** "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html **"GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise™ **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise™ device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be sent directly to your computer
a wireless network system operable for communicating	See diagrams at http://www.geassetintelligenceeu.com/technology/

wirelessly with a plurality of wireless communication units, said computer network server being in communication with said wireless network system, each of said plurality of wireless communication units being operable for communication with said wireless network, each wireless communication unit comprising a transceiver for two-way communication with said wireless network system related to a plurality of control inputs and said plurality of status outputs of said target, each of said plurality of client computers being operable for requesting said computer network server to provide location information relating to said one or more of said plurality of targets with which said client is associated, said computer network server preventing communication with said plurality of targets with which said client is not associated.	And http://www.trailer-services.com/veriwise/how.html **GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/** "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html **"GPS (global positioning system) satellites** continuously transmit signals that can be interpreted by special devices to help determine location. To get an accurate location fix, the VeriWise™ **tracking device** collects signals from multiple GPS satellites. The location is calculated by the VeriWise™ device at the trailer and transmitted through the **ORBCOMM low-earth orbit satellite** and **gateway earth station** to a **Network Control Center** and ultimately to **your computer system**. The data is visible through the GE-Trailer Fleet Services Premier Services web interface or can be sent directly to your computer

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 30

Claim 30 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, wherein:	
said computer network server is operable for communicating with said plurality of client computers through an Internet connection.	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

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INVENTOR: JOSEPH D. SMITH

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CLAIM 31

Claim 31 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
said plurality of client computers being operable for producing a map showing thereon a geographic picture of one or more of said plurality of targets.	See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html See http://www.ge.com/equipmentservices/assetintelligence/resources/datasheets/downloads/VeriwiseC_CellFlatbed.pdf "Features" "Web-based Interface" "Current/Historical Maps" "Email/Pager Alerts" "Customizable Reports"

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

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CLAIM 32

Claim 32 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, wherein said plurality of targets comprise a plurality of vehicles and said plurality of status outputs relate to a status for each vehicle, said status outputs being selectively different for each vehicle.	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/trucking/index.html An example list of variables that can be monitored such as battery status, cargo, doors, locks, truck ID, brakes, etc .may be found on GE's website. See, e.g., http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Other variables that may be monitored are Lights, A/EBS, Reefer DC/DC and associated ports or cables as shown in Product Datasheet SG 100. "GE VeriWise™ allows you to maintain control of your assets and freight, and make timely, well-informed decisions that can boost profits, improve business performance and set a new standard in your customer service. " http://www.geassetintelligenceeu.com/ Examples of items to be controlled are below

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TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 33

Claim 33 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 32, wherein said plurality of targets comprise a plurality of vehicles and said plurality of control inputs relate to electrically controllable features for each vehicle, said control inputs being selectively different for each vehicle.	Examples of items to be controlled are below. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. "http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press

	Release “Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business.” http://www.geassetintelligenceeu.com/

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 34

Claim 34 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 33, wherein said plurality of wireless communication units further comprise:	
transmitter and receiver electronics for two-way communication with said wireless network system related to said plurality of inputs and said plurality of outputs and said location information.	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at** **http://www.geassetintelligenceeu.com/technology/**

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 35

Claim 35 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 34, wherein said plurality of wireless communication units further comprise:	
programmable electronics related to said plurality of said control inputs and said plurality of status outputs such that each wireless communication unit is operable for adaptation to selection for each vehicle of said plurality of control inputs and said plurality of status outputs.	VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release See diagrams at http://www.geassetintelligenceeu.com/technology/ And http://www.trailer-services.com/veriwise/how.html

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 36

Claim 36 of '686 Patent	Not Asserted
The monitoring system of claim 35, wherein:	
a plurality of said vehicles comprises a door lock as a control input such that each of said plurality of client computers is operable for selectively controlling said door lock of said plurality of vehicles with which said client is associated.	This claim is not presently asserted against GE. Based on the information available to Plaintiff Smith, it does not appear that GE's products provide this functionality; however, if evidence is discovered that shows that GE does provide this feature, Smith reserves the right to assert this claim.

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 37

Claim 37 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 34, further comprising:	
said database being operable for storing information for each of said plurality of targets that includes definitions of control inputs and status outputs for a respective interface between each of said plurality of targets and each corresponding wireless communication unit.	The GE VeriWise product includes a GE server as shown on GE's website. http://www.geassetintelligenceeu.com/technology/. The GE server may be accessed by the End User/GE customer via the GE Web Interface. This web interface allows the End User to access the monitored information. In order to enable the End User to access the monitored information, definition data must be entered into the database to define the variables being monitored and the targets being monitored for a particular customer. **End User GE Web Interface http://www.geassetintelligenceeu.com/technology/** "Information can be delivered through our user interface &/or by server based data transfer" http://www.geassetintelligenceeu.com/why-veriwise/ ?tx_ncleadme_pi1%5BqUid%5D=5&cHash=a75acf8908

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 38

Claim 38 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 34, further comprising:	
said database being operable for containing a list of ingoing and outgoing messages.	See http://www.ge.com/equipmentservices/assetintelligence/resources/datasheets/downloads/VeriwiseC_CellFlatbed.pdf

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 39

Claim 39 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
said plurality of wireless communication units including a modem for encoding said location information.	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)"** **http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/technology/**

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 40

Claim 40 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
at least a portion of said plurality of targets being a plurality of transport vessels, said database being operable for storing vessel location information.	**VeriWise MARINE** VeriWise MARINE does more than give you location information on your container assets – it helps you reduce downtime, monitor and manage the environment in and around your containers, and increase the availability and reliability of your entire marine container fleet. On-demand data generated by real-time tracking and monitoring applications provide end-to-end visibility on your reefer containers and their cargo, helping you optimize marine transportation for your organization. http://www.ge.com/equipmentservices/assetintelligence/solutions/segments/marine/index.html

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 41

Claim 41 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 40, further comprising:	
a target interface for each of said plurality of wireless communication units for communicating electrical signals to said wireless communication unit related to said plurality of transport vehicles.	**See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200S** **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 42

Claim 42 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
said plurality of client computers are each operable for communicating with said computer network server relating to said electrical signals for said one or more of said plurality of transport vehicles with which said client is associated.	**End User GE Web Interface http://www.geassetintelligenceeu.com/ technology/** "Information can be delivered through our user interface &/or by server based data transfer" http://www.geassetintelligenceeu.com/ why-veriwise/?tx_ncleadme_pi1%5BqUid%5D=5&cHash =a75acf8908

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 43

Claim 43 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
a microcontroller for operating said wireless communication unit.	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)"** **http://www.geassetintelligenceeu.com/ technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/ new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets** **See diagram at http://www.geassetintelligenceeu.com/ technology/**

PATENT 6,611,686

INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 44

Claim 44 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
at least a portion of said plurality of targets are vehicles,	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/ assetintelligence/solutions/segments/trucking/ index.html
each vehicle having an electrical system connected to said target interface,	**See diagram at http://www.geassetintelligenceeu.com/technology** **See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200S** **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/
said plurality of client computers being operable for sending an electrical signal to said electrical system of said vehicle through said	"GE VeriWise™ allows you to maintain control of your assets and freight, and make timely, well-informed decisions that can boost profits, improve business performance and set a new standard in your customer service. " http://www.geassetintelligenceeu.com/

target interface for said one or more of said plurality of targets with which said client is associated.	Examples of items to be controlled are below. "Through GE's official partnership with leading reefer manufacturers, Carrier Transicold and Thermo King, GE VeriWise™ has compatibility with current reefer equipment by the unique protocol integration between our modem and reefer controllers *. " http://www.geassetintelligenceeu.com/cold-chain/cold-chain-details/ Both Thermo King and Carrier also have designed their refrigeration units to allow for two-way communication. This feature allows a fleet manager to remotely control tasks such as starting the unit, selecting temperature set points or running diagnostic routines." http://www.etrucker.com/apps/news/ article.asp?id=60030 "GE Launches Next Generation VeriWise Web Interface" "**Security** Features-Trailers can be locked down instantly," http://rentge.com/ news/NPTC%20-%20GE_VW-WebInterface.pdf "By using the GE Veriwise trailer-tracking system, the company places geofences around certain corridors of theft, such as Georgia, to alert dispatchers when loads enter the area. Tabor also uses geofencing to lock down trailers at any location where drivers have to stop." http://www.etrucker.com/apps/news/article.asp?id=63749 VeriWise also allows the customer to do over the air configuration, controlling the Module Schedule Configuration, Module Reefer Configuration. http://www.ge.com/equipmentservices/assetintelligence/solutions/ segments/trucking/cold_chain/index.html "For VeriWise customers, the newest features include the ability to remotely configure polling reports . . ., turn on emergency tracking . . . and define and grant access rights . . . ." "New Online Tools Speed Decision-making for VeriWise Customers" Press Release "Whether you have a trailer, rail car or container, our telematics system provides remote monitoring and diagnostics of your assets and freight via a user web interface – tailor made to fit your business." http://www.geassetintelligenceeu.com/

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INVENTOR: JOSEPH D. SMITH

PRIORITY DATE: FEBRUARY 9, 1999

TRACKING CONTROL AND LOGISTICS SYSTEM AND METHOD

CLAIM 45

Claim 45 of '686 Patent	Infringed: Literally and DOE
The monitoring system of claim 29, further comprising:	
at least a portion of said plurality of targets are vehicles,	"VeriWise TRUCKING not only gives you precise location information on your trailers –more importantly, it keeps you informed of what's happening in and around your trucking assets, enabling you to manage exceptions and drive productivity in your fleet." "With VeriWise cellular- and satellite-based solutions, you'll know exactly where and when a trailer starts and stops, and if a door is opened en route. You'll know when a trailer is a pre-defined distance from a location or destination with advanced landmarking functionality." http://www.ge.com/equipmentservices/ assetintelligence/ solutions/segments/trucking/ index.html
each vehicle having an electrical system connected to said target interface,	**"GSM/GPRS Cellular Network or Satellite (One or Two-way)" http://www.geassetintelligenceeu.com/technology/** "GE Asset Intelligence has released a new GPRS/GPS based modem technology with wireless sensors." http://www.geassetintelligenceeu.com/new-product-launch/ **See for example, Product Datasheet: DG 100 along with other modem data sheets**
said plurality of client computers being operable for detecting an electrical signal from said vehicle through said target interface, said wireless network system, and said computer network server in accordance with a description for each said target interface stored within	**See diagram at http://www.geassetintelligenceeu.com/technology** **See for example: Product Datasheet DG 100, "Technical Specifications" Sensors** **SATS 200, SATS 100, SC 200S** **GE describes its product as follows: "Over the air software upgradeable and configurable**" http://www.geassetintelligenceeu.com/new-product-

said database.	launch/ The product datasheets show a modem/transceiver interfacing with wireless sensors which can be configured to monitor a number of variables such as doors, brakes, mileage, temperature and locks. See also, http://www.geassetintelligenceeu.com/on-time/on-time-details/